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RAW SEQUENCE LISTING

DATE: 10/05/2001

PATENT APPLICATION: US/09/582,926

TIME: 15:45:51

Input Set : A:\2500us0p.ST25.txt

Output Set: N:\CRF3\10052001\I582926.raw

3 <110> APPLICANT: SAIKAWA, Akira
 4 IGARI, Yasutaka
 5 HATA, Yoshio
 6 YAMAMOTO, Kazumichi
 8 <120> TITLE OF INVENTION: Sustained-Release Composition, Method of its Preparation and
 Use Thereof
 10 <130> FILE REFERENCE: 2500USOP
 12 <140> CURRENT APPLICATION NUMBER: 09/582,926
 13 <141> CURRENT FILING DATE: 2000-07-05
 15 <150> PRIOR APPLICATION NUMBER: PCT/JP99/00086
 16 <151> PRIOR FILING DATE: 1999-01-13
 18 <150> PRIOR APPLICATION NUMBER: JP 10-6412
 19 <151> PRIOR FILING DATE: 1998-01-16
 21 <160> NUMBER OF SEQ ID NOS: 5
 23 <170> SOFTWARE: PatentIn version 3.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 11
 27 <212> TYPE: PRT
 C--> 28 <213> ORGANISM: artificial ✓
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: LH-RH derived peptide ✓
 33 <220> FEATURE:
 34 <221> NAME/KEY: MOD_RES
 35 <222> LOCATION: (1)..(1)
 36 <223> OTHER INFORMATION: X is 5-oxo carboxy terminal.
 39 <220> FEATURE:
 40 <221> NAME/KEY: MOD_RES
 41 <222> LOCATION: (7)..(7)
 42 <223> OTHER INFORMATION: X is "Y" which can be DLeu, DALa, DTrp, DSer(tbut), D2Nal or
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 43 (ImBzl
 46 <220> FEATURE:
 47 <221> NAME/KEY: MOD_RES
 48 <222> LOCATION: (11)..(11)
 49 <223> OTHER INFORMATION: X is "Z" which can be NH-C2H5 or Gly-NH2
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 W--> 54 Xaa Pro His Trp Ser Tyr Xaa Leu Arg Pro Xaa
 55 1 5 10
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 65 <220> FEATURE:
 66 <221> NAME/KEY: MOD_RES
 67 <222> LOCATION: (1)..(1)
 68 <223> OTHER INFORMATION: X is "X" which can be N(4H2-furoyl)Gly or NAC

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71 <220> FEATURE:

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72 <221> NAME/KEY: MOD_RES
73 <222> LOCATION: (2)..(2)
74 <223> OTHER INFORMATION: X is D2Nal
77 <220> FEATURE:
78 <221> NAME/KEY: MOD_RES
79 <222> LOCATION: (3)..(3)
80 <223> OTHER INFORMATION: X is D4ClPhe
83 <220> FEATURE:
84 <221> NAME/KEY: MOD_RES
85 <222> LOCATION: (4)..(4)
86 <223> OTHER INFORMATION: X is D3Pal
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90 <221> NAME/KEY: MOD_RES
91 <222> LOCATION: (6)..(6)
92 <223> OTHER INFORMATION: X is "A" which can be NMeTyr, Tyr, Aph(Atz) or NMeAph(Atz)
95 <220> FEATURE:
96 <221> NAME/KEY: MOD_RES
97 <222> LOCATION: (7)..(7)
98 <223> OTHER INFORMATION: X is "B" which can be DLys(Nic), DCit, DLys(AzaGlyNic), DLys
(AzaG
99      lyFur), DhArg(Et2), Daph(Atz), or DhC
102 <220> FEATURE:
103 <221> NAME/KEY: MOD_RES
104 <222> LOCATION: (9)..(9)
105 <223> OTHER INFORMATION: X is "C" which can be Lys(Nisp), Arg or HArg(Et2)
108 <220> FEATURE:
109 <221> NAME/KEY: MOD_RES
110 <222> LOCATION: (11)..(11)
111 <223> OTHER INFORMATION: X is DALaNH2
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117 1          5          10
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124 <220> FEATURE:
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127 <220> FEATURE:
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135 <222> LOCATION: (7)..(7)
136 <223> OTHER INFORMATION: X is DLeu
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141 <222> LOCATION: (10)..(10)
142 <223> OTHER INFORMATION: X is NH-C2H5 amino terminal

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148 1 5 10
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167 <223> OTHER INFORMATION: X is D2Nal
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171 <221> NAME/KEY: MOD_RES
172 <222> LOCATION: (4)..(4)
173 <223> OTHER INFORMATION: X is D4ClPhe
176 <220> FEATURE:
177 <221> NAME/KEY: MOD_RES
178 <222> LOCATION: (5)..(5)
179 <223> OTHER INFORMATION: X is D3Pal
182 <220> FEATURE:
183 <221> NAME/KEY: MOD_RES
184 <222> LOCATION: (7)..(7)
185 <223> OTHER INFORMATION: X is NMeTyr
188 <220> FEATURE:
189 <221> NAME/KEY: MOD_RES
190 <222> LOCATION: (8)..(8)
191 <223> OTHER INFORMATION: X is DLys(Nic)
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195 <221> NAME/KEY: MOD_RES
196 <222> LOCATION: (10)..(10)
197 <223> OTHER INFORMATION: X is Lys(Nisp)
200 <220> FEATURE:
201 <221> NAME/KEY: MOD_RES
202 <222> LOCATION: (12)..(12)
203 <223> OTHER INFORMATION: X is DALaNH2
206 <400> SEQUENCE: 4
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209 1 5 10
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212 <211> LENGTH: 11
213 <212> TYPE: PRT
C--> 214 <213> ORGANISM: artificial
216 <220> FEATURE:

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217 <223> OTHER INFORMATION: LH-RH derived peptides ✓
219 <220> FEATURE:
220 <221> NAME/KEY: MOD_RES
221 <222> LOCATION: (1)..(1)
222 <223> OTHER INFORMATION: X is 5-oxo carboxy terminal
225 <220> FEATURE:
226 <221> NAME/KEY: MOD_RES
227 <222> LOCATION: (7)..(7)
228 <223> OTHER INFORMATION: X is DLeu
231 <220> FEATURE:
232 <221> NAME/KEY: MOD_RES
233 <222> LOCATION: (11)..(11)
234 <223> OTHER INFORMATION: X is NH-C2H5 amino terminal
237 <400> SEQUENCE: 5
W--> 239 Xaa Pro His Trp Ser Tyr Xaa Leu Arg Pro Xaa ✓
240 1 5 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/582,926

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TIME: 15:45:52

Input Set : A:\2500us0p.ST25.txt

Output Set: N:\CRF3\10052001\I582926.raw

L:28 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:60 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:122 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:153 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:214 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5